

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/052308

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F21V29/02 G03B21/16 H01J61/52

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F21V H01J G03B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/141188 A1 (BASEY GARY D) 3 October 2002 (2002-10-03) paragraphs '0006!, '0007!, '0012!, '0013! figures 1,2,4	1-3, 11-20
Y	-----	8
X	US 4 434 562 A (BUBLEY HENRY J ET AL) 6 March 1984 (1984-03-06) column 3, line 4 - line 36 figure 2	1,2,4-7
Y	-----	8
	----- --/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

11 January 2005

Date of mailing of the international search report

18/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Cosnard, D

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/052308

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 630 182 A (MOROI AKIHIKO ET AL) 16 December 1986 (1986-12-16) column 3, line 40 - column 4, line 5 column 4, line 51 - column 5, line 14 figure 2	11, 16
A	-----	1
P, X	US 2004/109142 A1 (OKAZAKI SHOJI ET AL) 10 June 2004 (2004-06-10) paragraphs '0046! - '0049!, '0055! - '0058! figure 7 -----	1, 2, 5, 6, 11-20

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/052308

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2002141188	A1	03-10-2002	NONE	
US 4434562	A	06-03-1984	CA 1194297 A1 DE 3267701 D1 EP 0073669 A1 EP 0134591 A1 JP 58074360 A	01-10-1985 09-01-1986 09-03-1983 20-03-1985 04-05-1983
US 4630182	A	16-12-1986	JP 1970270 C JP 7001374 B JP 60186829 A	18-09-1995 11-01-1995 24-09-1985
US 2004109142	A1	10-06-2004	JP 3462863 B2 JP 2003005290 A JP 3462864 B2 JP 2003005291 A JP 2003005292 A JP 2003005293 A JP 3490985 B2 JP 2003005282 A WO 03001292 A1	05-11-2003 08-01-2003 05-11-2003 08-01-2003 08-01-2003 08-01-2003 26-01-2004 08-01-2003 03-01-2003